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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**



Declaration
Submitted
With Initial
Filing

OR



Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

Attorney Docket Number

EPA # 679-03

First Named Inventor

Charles L. Gray, Jr.

COMPLETE IF KNOWN

Application Number

Filing Date

Art Unit

Examiner Name

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

*Low Emission Diesel Combustion System with Low Charge-Air Oxygen
Concentration Levels and High Fuel Injection Pressures*

(Title of the Invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application Number(s) | Country | Foreign Filing Date (MM/DD/YYYY) | Priority Not Claimed | Certified Copy Attached? | |
|--|---------|-------------------------------------|--------------------------|--------------------------|--------------------------|
| | | | | Yes | No |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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DECLARATION — Utility or Design Patent Application

| | | | |
|---|--|---|---|
| Direct all correspondence to: <input type="checkbox"/> Customer Number: OR <input checked="" type="checkbox"/> Correspondence address below | | | |
| Name <div style="text-align: center; font-family: cursive;">David H. Read</div> | | | |
| Address <div style="text-align: center; font-family: cursive;">2565 Plymouth Road</div> | | | |
| City <div style="text-align: center; font-family: cursive;">Ann Arbor</div> | | State <div style="text-align: center; font-family: cursive;">Michigan</div> | ZIP <div style="text-align: center; font-family: cursive;">48105</div> |
| Country <div style="text-align: center; font-family: cursive;">USA</div> | Telephone <div style="text-align: center; font-family: cursive;">(734) 214-4367</div> | Fax <div style="text-align: center; font-family: cursive;">(734) 214-4573</div> | |
| I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. | | | |
| NAME OF SOLE OR FIRST INVENTOR: | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | |
| Given Name (first and middle [if any]) <div style="text-align: center; font-family: cursive;">Charles L.</div> | | Family Name or Surname <div style="text-align: center; font-family: cursive;">Gray, Jr.</div> | |
| Inventor's Signature <div style="text-align: center; font-family: cursive;">Charles L. Gray, Jr.</div> | | | Date <div style="text-align: center; font-family: cursive;">September 18, 2003</div> |
| Residence: City <div style="text-align: center; font-family: cursive;">Pinckney</div> | State <div style="text-align: center; font-family: cursive;">Michigan</div> | Country <div style="text-align: center; font-family: cursive;">USA</div> | Citizenship <div style="text-align: center; font-family: cursive;">USA</div> |
| Mailing Address <div style="text-align: center; font-family: cursive;">4323 Cordley Lake Road</div> | | | |
| City <div style="text-align: center; font-family: cursive;">Pinckney</div> | State <div style="text-align: center; font-family: cursive;">Michigan</div> | ZIP <div style="text-align: center; font-family: cursive;">48169</div> | Country <div style="text-align: center; font-family: cursive;">USA</div> |
| NAME OF SECOND INVENTOR: | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | |
| Given Name (first and middle [if any]) <div style="text-align: center; font-family: cursive;">David James</div> | | Family Name or Surname <div style="text-align: center; font-family: cursive;">Haugen</div> | |
| Inventor's Signature <div style="text-align: center; font-family: cursive;">David James</div> | | | Date <div style="text-align: center; font-family: cursive;">18 Sept 03</div> |
| Residence: City <div style="text-align: center; font-family: cursive;">Ann Arbor</div> | State <div style="text-align: center; font-family: cursive;">Michigan</div> | Country <div style="text-align: center; font-family: cursive;">USA</div> | Citizenship <div style="text-align: center; font-family: cursive;">USA</div> |
| Mailing Address <div style="text-align: center; font-family: cursive;">5855 East Horizons Drive</div> | | | |
| City <div style="text-align: center; font-family: cursive;">Ann Arbor</div> | State <div style="text-align: center; font-family: cursive;">Michigan</div> | ZIP <div style="text-align: center; font-family: cursive;">48108</div> | Country <div style="text-align: center; font-family: cursive;">USA</div> |
| <input type="checkbox"/> Additional inventors or a legal representative are being named on the supplemental sheet(s) PTO/SB/02A or 02LR attached hereto. | | | |

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POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM

| | |
|------------------------|---|
| Application Number | |
| Filing Date | |
| First Named Inventor | Charles L. Gray, Jr. |
| Title | Low Emission Diesel Combustion System with Low Charge-Air Oxygen Concentration Levels and High Fuel Injection Pressures |
| Art Unit | |
| Examiner Name | |
| Attorney Docket Number | EPA 679-03 |

I hereby appoint:

☐ Practitioners at Customer Number:

OR

☒ Practitioner(s) named below:

| Name | Registration Number |
|-----------------|---------------------|
| David H. Read | 47,888 |
| Alan M. Ehrlich | 37,999 |
| Laura Scalise | 45,778 |

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number:

OR

☐ The address associated with Customer Number:

OR

| | | | | |
|--|-------|-----|--|--|
| <input type="checkbox"/> Firm or Individual Name | | | | |
| Address | | | | |
| Address | | | | |
| City | State | Zip | | |
| Country | | | | |
| Telephone | Fax | | | |

I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

| | | | |
|-----------|-----------------------------|-----------|----------------|
| Name | Charles L. Gray, Jr. | | |
| Signature | <i>Charles L. Gray, Jr.</i> | | |
| Date | Sept. 18, 2003 | Telephone | (734) 214-4404 |

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ *Total of _____ forms are submitted.

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POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM

Application Number

Filing Date

First Named Inventor

Title

Art Unit

Examiner Name

Attorney Docket Number

Charles L. Gray, Jr.

Low Emission Diesel Combustion System with Low

EPA 674-03

Charge-Air
Oxygen Concentration Levels
and High Fuel
Injection Pressures

I hereby appoint:

☐ Practitioners at Customer Number:

OR

☒ Practitioner(s) named below:

| Name | Registration Number |
|-----------------|---------------------|
| David H. Read | 47,888 |
| Alan M. Ehrlich | 37,999 |
| Laura Scalise | 45,778 |

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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☐ The above-mentioned Customer Number:

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☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Name

David James Haugen

Signature

Date

Sept. 18, 2003

Telephone

(734) 214-4404

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ Total of 2 forms are submitted.

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